

Barb O'Brien

Access DB#

77535

# SEARCH REQUEST FORM

RECEIVED

Scientific and Technical Information Center

OCT-9 2002

Requester's Full Name:

Rebecca L. Cook

Date:

10/3/02

Art Unit:

1614

Phone Number 30

Serial Number:

101 031767

Mail Box and Bldg/Room Location:

2201

Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Inventors (please provide full names):

Mary Jacob Raymond Dwek

Earliest Priority Filing Date:

7/26/99

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search each compound & claim  
for known uses to treat Alzheimer's disease  
what structures of compounds of claims  
445

Thanks  
Rebecca

Point of Contact:  
Barb O'Brien  
Technical Information Specialist  
STIC CM1 6A05 308-4291

## STAFF USE ONLY

Searcher:

POOB

Searcher Phone #:

Searcher Location:

Date Searcher Picked Up:

Date Completed:

10-15-02

Searcher Prep & Review Time:

40

Clerical Prep Time:

Online Time:

65

## Type of Search

NA Sequence (#)

AA Sequence (#)

Structure (#)

Bibliographic

Litigation

Fulltext

Patent Family

Other

## Vendors and cost where applicable

STN

390

Dialog

Questel/Orbit

Dr. Link

Lexis/Nexis

Sequence Systems

WWW/Internet

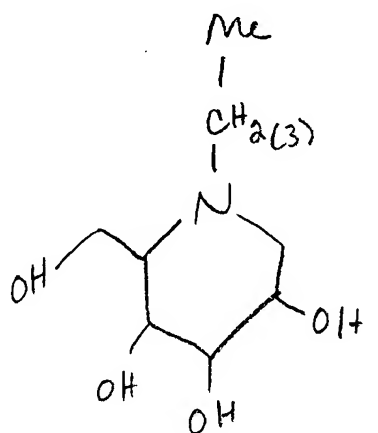
Other (specify)

-17-

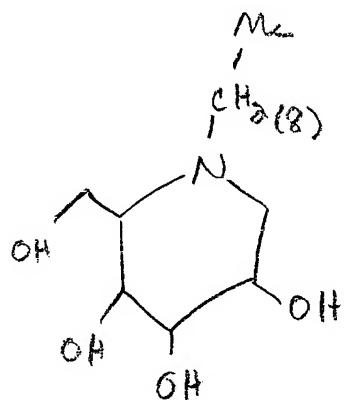
## CLAIMS

## WHAT IS CLAIMED IS:

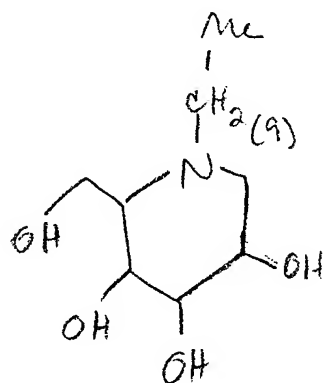
1. The method of treating a patient affected with a glycolipid storage disease comprising administering to said patient both a N-alkyl derivative of deoxynojirimycin having from about two to about twenty carbon atoms in the alkyl chain and a glucocerebrosidase enzyme in an amount effective for alleviating or inhibiting said glycolipid storage disease.
2. The method of Claim 1 in which the N-alkyl derivative of deoxynojirimycin contains four to six carbon atoms in the alkyl chain.
3. The method of Claim 2 in which the N-alkyl derivative of deoxynojirimycin is N-butyl-DNJ.  
4
4. The method of Claim 1 in which the N-alkyl derivative of deoxynojirimycin is N-nonyl-DNJ or N-decyl-DNJ.  
9 10
5. The method of Claim 4 in which the N-alkyl derivative of deoxynojirimycin is N-nonyl-DNJ.
6. The method of Claim 1 in which the glycolipid storage disease is Gaucher's disease.
7. The method of Claim 3 in which the glycolipid storage disease is Gaucher's disease.
8. The method of Claim 5 in which the glycolipid storage disease is Gaucher's disease.



N-butyl-DNJ



N-nonyl-DNJ



N-decyl-DNJ

Subject: please search

PCT us 01/45064

please search for seq id no 1 positions 4180-4250 with a "T" at position 4233

please search for seq id no 1 positions 18274-2100 with an "A" at position 19772 and a "T" at position 20782.

please search for seq id no 1, positions 25500-32931 with a "C" at position 25976, a "G" at position 26363, and a G at poistion 32397.

please return results on disk.

THANKS.

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